

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

PAGLIARO et al.

Atty. Ref.: 4161-16

Serial No. Unknown

TC/A.U.: Unknown

Filed: April 28, 2006

Examiner: Unknown

FOR: AEROBIC CATALYSTS FOR ALCOHOL OXIDATION IN ORGANIC SOLVENTS  
AND IN SUPERCRITICAL CARBON DIOXIDE, PROCESS FOR THE PRODUCTION  
THEREOF, AND THEIR USE IN OXIDATIVE CONVERSIONS

\* \* \* \* \*

April 28, 2006

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the document listed on the attached form PTO/SB/08a. A copy of each listed document is attached.

This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO/SB/08a and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By:



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INFORMATION DISCLOSURE  
CITATION

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4161-16

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APPLICANT

PAGLIARO et al.

(Use several sheets if necessary)

FILING DATE

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April 28, 2006

Unknown

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (including Author, Title, Pertinent pages, Date, etc.)

	Pagliaro et al. "New recyclable catalysts for aerobic alcohols oxidation: Sol-gel ormosils doped with TPAP" Tetrahedron Letters, vol. 42, no. 27, pp. 4511-4514 (2001) XP004245731
	Bleloch et al. "Modified mesoporous silicate MCM-41 materials: Immobilised perruthenate - A new highly active heterogenous oxidation catalyst for clean organic synthesis using molecular oxygen" Chem. Commun., pp. 1907-1908 (1999) XP002319966
	Markó et al. "Efficient, aerobic, ruthenium-catalyzed oxidation of alcohols into aldehydes and ketones" J. Am. Chem. Soc., vol. 119, no. 51, pp. 12661-12662 (1997) XP002319967
	Steele et al. "Noble metal catalysed aerial oxidation of alcohols to aldehydes in supercritical carbon dioxide" Catalysis Letters, no. 73, no. 1, pp. 9-13 (2001) XP002319968
	Ciriminna et al. "Tailoring the catalytic performance of sol-gel-encapsulated tetra-n-propylammonium perruthenate (TPAP) in aerobic oxidation of alcohols" Chem. Eur. J., vol. 9, no. 20, pp. 5067-5073 (2003) XP00230336
	Ciriminna et al., "The effect of material properties on the activity of sol-gel entrapped perruthenate under supercritical conditions" Adv. Synth. Catal., vo. 345, pp. 1261-1267 (2003) XP002330337
	International Search Report for PCT/IB2004/052230, two pages, 2005
	International Preliminary Report on Patentability for PCT/IB2004/052230, six pages, 2005

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.